



***Spotlight on Excellence:  
2022 Science and Engineering Fair***

TO: Dr. Joel Boyd, Superintendent of Schools

FROM: Robin Desmond, Chief Academic Officer *Robin Desmond*

DATE: March 22, 2022

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The Spotlight on Excellence presentation for Wednesday, April 6, 2022 will feature the 2022 Science and Engineering Fair that was held on March 1, 2022 at Lowell High School.

Lowell is proud to offer a Science and Engineering Fair as it provides students the chance to explore “real world” science and engineering topics of interest. Students learn about many exciting and emerging fields, while developing important life skills to include: reading, writing, mathematics, communication, teamwork and design. We are grateful for the STEM Advisors who worked with the students the past several months to prepare their projects. Fifty-five students participated representing all nine middle schools and Lowell High School. The projects were innovative and demonstrated engagement with the science and engineering practices. This year’s winners were:

**High School:**

Kiley Conlon: Printing Our Future

Kiley built her own 3-D printer that uses recycled plastic bottles as a printing material. What a great solution for getting plastic out of the environment while making something beneficial!

**Middle School:**

STEM Academy: Build a Better Black Hole Model

Sidal Al-Obaidi

Nabiha Zaheen

Manasseh Muteba

This team made a working model of a black hole to help other students understand the science behind the phenomenon.

We are very proud of all of the students who participated in the fair this year!

I would like to thank Elaine Santelmann, Coordinator of Science & Social Studies for planning the fair and her assistance with this report.